

## REISSUE PATENT APPLICATION TRANSMITTAL

17513 U.S. PTO  
10/777794

021104

Address to:

Assistant Commissioner for Patents  
Box Reissue  
Washington, DC 20231

Attorney Docket No.

TSM-476RI

First Named Inventor

Chang, et al.

Original Patent Number

6,346,476

Original Patent Issue Date  
(Month/Day/Year)

02/12/2002

Express Mail Label No.

EL 994723027 US

## APPLICATION FOR REISSUE OF:

(Check applicable box)



Utility Patent



Design Patent



Plant Patent

## APPLICATION ELEMENTS (37 CFR 1.173)

1. ☒ Fee Transmittal Form (PTO/SB/56)  
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status. See 37 CFR 1.27.
3. ☒ Specification and Claims in double column copy of patent format (amended, if appropriate)
4. ☒ Drawing(s) (proposed amendments, if appropriate)
5. ☒ Reissue Oath/Declaration (original or copy)  
(37 C.F.R. § 1.175) (PTO/SB/51 or 52)
6. ☒ Power of Attorney
7. Original U.S. Patent currently assigned? ☒ Yes ☐ No  
(If Yes, check applicable box(es))
  - ☒ Written Consent of all Assignees (PTO/SB/53)
  - ☒ 37 C.F.R. § 3.73(b) Statement (PTO/SB/96)
8. ☐ CD-ROM or CD-R in duplicate, Computer Program (Appendix) or large table
9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all of the following are necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM (2 copies) or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

10. ☒ Statement of status and support for all changes to the claims. See 37 CFR 1.173 (c).
11. ☐ Original U.S. Patent for surrender
  - ☐ Ribbonded Original Patent Grant
  - ☐ Statement of Loss (PTO/SB/55)
12. ☐ Foreign Priority Claim (35 U.S.C. 119) (if applicable)
13. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
14. ☐ English Translation of Reissue Oath/Declaration (if applicable)
15. ☒ Preliminary Amendment
16. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
17. Other: \_\_\_\_\_

## 18. CORRESPONDENCE ADDRESS



Customer Number or Bar Code Label

25962

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NAME (Print/Type)

Steven H. Slater

Registration No. (Attorney/Agent)

35,361


Signature

Date

02/11/2004

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Reissue, Washington, DC 20231.

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REISSUE APPLICATION FEE TRANSMITTAL FORM						Docket Number (Optional) TSM-476RI	
Claims as Filed - Part 1							
Claims in Patent	Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity		
			Rate	Fee	Rate	Fee	
(A) 25 (C) 2	Total Claims (37 CFR 1.16(j)) Independent claims (37 CFR 1.16(i))	(B) 34 (D) 3	**** 9 = * 1 =	x \$ ____ = x \$ ____ =		or	x \$ 18 = 162.00 x \$ 86 = 86.00
Basic Fee (37 CFR 1.16(h)) \$ ____							\$ 770.00
Total Filing Fee \$ ____						OR	\$ 1018.00
Claims as Amended - Part 2							
	(1) Claims Remaining After Amendment	(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
				Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	***	MINUS **	* =	x \$ ____ =			x \$ ____ =
Independent Claims (37 CFR 1.16(i))	***	MINUS *****	=	x \$ ____ =			x \$ ____ =
Total Additional Fee \$ ____						OR	\$ ____
<p>* If the entry in (D) is less than the entry in (C), Write "0" in column 3.</p> <p>** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.</p> <p>*** After any cancellation of claims.</p> <p>**** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).</p> <p>***** "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p><input checked="" type="checkbox"/> Please charge Deposit Account No. <u>50-1065</u> in the amount of <u>1018.00</u>. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. <u>50-1065</u>. A duplicate copy of this sheet is enclosed.</p> <p><input type="checkbox"/> A check in the amount of \$ _____ to cover the filing / additional fee is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p style="text-align: center;"><b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b></p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 30%;"> <p><u>11 Feb 04</u> Date</p> </div> <div style="width: 60%; text-align: center;">             Signature of Applicant, Attorney or Agent of Record  <b>Steven H. Slater, Reg. No. 35,361</b>            _____            Typed or printed name         </div> </div>							

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Chang, et al. Docket No.: TSM-476RI  
Serial No.: TBD Filed: Herewith  
Original Patent No.: 6,346,476 B1 Issued: February 12, 2002  
For: Method for Enhancing Line-to-Line Capacitance Uniformity of Plasma Enhanced  
Chemical Vapor Deposited (PECVD) Inter-Metal Dielectric (IMD) Layers

**Certificate of Mailing via Express Mail**


**EXPRESS MAIL** mailing label number: EL 994723027 US

Date of Deposit: February 11, 2004

I hereby certify that the following documents, which are enclosed, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to: Mail Stop: REISSUE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450:

Certificate of Mailing via Express Mail (1 page)  
Reissue Patent Application Transmittal (1 page)  
Reissue Application Fee Transmittal Form (1 original and 1 copy = 2 pages)  
Copy of Issued Patent 6,346,476 B1  
Drawings (2 pages)  
Declaration and Power of Attorney for Application for Reissue...(3 pages)  
Assent to Application for Reissue... and Offer to Surrender... (2 pages)  
Power of Attorney or Authorization of Agent (1 page)  
Statement under 37 C.F.R. 3.73(b) (1 page)  
Preliminary Amendment (4 pages)  
Return Postcard

Respectfully submitted,

  
Natalie Swider  
Legal Assistant

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Chang, et al. Attorney Docket: TSM-476RI  
Patent No.: 6,346,476 B1 Patent Issued: 02/12/2002  
Reissue Filed: Herewith  
Title: Method for Enhancing Line-to-Line Capacitance Uniformity of Plasma  
Enhanced Chemical Vapor Deposited (PECVD) Inter-Metal Dielectric (IMD)  
Layers

Mail Stop Reissue  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**ASSENT TO APPLICATION FOR REISSUE OF U.S. PATENT NO. 6,346,476**  
**AND OFFER TO SURRENDER U.S. PATENT NO. 6,346,476**

Pursuant to 37 C.F.R. §1,172, Taiwan Semiconductor Manufacturing Company, Ltd., as assignee of the entire right, title and interest in and to U.S. Patent No. 6,346,476, entitled METHOD FOR ENHANCING LINE-TO-LINE CAPACITANCE UNIFORMITY OF PLASMA ENHANCED CHEMICAL VAPOR DEPOSITED (PECVD) INTER-METAL DIELECTRIC (IMD) LAYERS, hereby assents to the Application for Reissue of U.S. Patent No. 6,346,476, issued February 12, 2002.

Pursuant to 37 C.F.R. §1.178, assignee, Taiwan Semiconductor Manufacturing Company, Ltd., hereby offers to surrender U.S. Patent No. 6,346,476 upon notification of the allowability of said Application for Reissue.

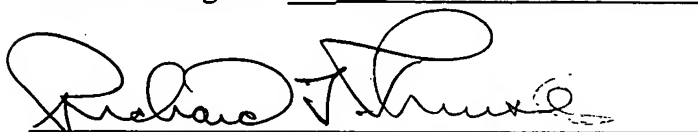
A certificate under 37 C.F.R. §3.73(b) is attached.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these

statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.

I am authorized to act on behalf of the assignee.

Name of Assignee: Taiwan Semiconductor Manufacturing Company, Ltd.



Signature of person signing for assignee

5 February 2004  
Date

Richard L. Thurston, Vice-President and General Counsel

Printed name and title of person signing for assignee